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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/027,931	12/21/2001	Thomas N. Turba	RA 5410 (33012/328/101)	2573
27516	7590	06/13/2005	EXAMINER	
UNISYS CORPORATION			WU, YICUN	
MS 4773			ART UNIT	
PO BOX 64942			PAPER NUMBER	
ST. PAUL, MN 55164-0942			2165	

DATE MAILED: 06/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/027,931

Applicant(s)

TURBA ET AL.

Examiner

Yicun Wu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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**III. DETAILED ACTION**

1. Claims 1-25 are presented for examination.

**Claim Rejections - 35 USC § 102**

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated over Walsh et al. (U. S. Patent No. 6,810,429)

As to Claim 1, Walsh et al. discloses in a data processing system including a legacy data base management system which executes an ordered sequence of command language statements coupled to a publically accessible digital data communication network, the improvement comprising:

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a document formatted in XML (extensible markup language) (i.e. XML doc. Fig. 1b, item 106, 126) transferred via the publically accessible digital data communication network (Fig. 1b) to the data base management system (i.e. data source. Fig. 1b, item 111); and

an Input Definition Table (IDT) (Col. 5, lines 60-67 and fig. 2) responsively coupled to the legacy data base management system (i.e. data source. Fig. 1b, item 111) which converts the service request (i.e. database access operations. Col. 5, lines 60- col. 6, line 4) into the ordered sequence of command language statements for execution (Col. 5, lines 60- col. 6, line 4) by the legacy data base management system (i.e. data source. Fig. 1b, item 111).

As to Claims 2, 7, 12 and 17, Walsh et al. discloses a improvement further comprising

a Document Type Definition (DTD) which defines the format of the document (i.e. DTD. Col. 9, lines 51-67).

As to Claims 3, 8, 13 and 18, Walsh et al. discloses a improvement wherein

the IDT further comprises a plurality of sequential text lines (fig. 2. item 132 and Col. 5, lines 60-67).

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As to Claims 4, 9, 14 and 19, Walsh et al. discloses a improvement wherein

at least one of the plurality of sequential text lines provides access constraints (fig. 2. item 132).

As to Claims 5, 10, 15 and 20, Walsh et al. discloses a improvement further comprising

a repository responsively coupled to the legacy data base management system wherein the IDT is stored within the repository. (fig. 2. item 132).

As to Claim 6, Walsh et al. discloses an apparatus comprising:

a. an XML document containing a service request (col. 5, lines 62-65 and fig. 3, item 102);

b. a publically accessible digital data communication network (Fig. 1b);

c. a data base management system having an input format different from XML which honors the service request by executing a sequence of command language statements (col. 5, lines 62-65 and fig. 3, item 102) responsively coupled to the publically accessible digital data communication network (Fig.

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1b) which receives the XML document via the publically accessible digital data communication network (Fig. 1b); and

d. an Input Definition Table (Col. 5, lines 60-67 and fig. 2) associated with the XML document which enables conversion of the XML document into the sequence of command language statements (Col. 5, lines 60- col. 6, line 4).

As to Claim 11, Walsh et al. discloses a method of honoring a service request contained within an XML document by a data base management system by executing a sequence of command language script which having an incompatible input protocol comprising:

a. transferring the XML document to the data base management system via a publically accessible digital data communication network (fig. 1b);

b. converting the XML document into an XML mapping tree in accordance with a Document Type Definition (DTD) corresponding to the XML document (i.e. DTD. Col. 9, lines 51-67);

c. converting the service request contained within the XML document into the sequence of command language script using an Input Definition Table (IDT) (fig. 2. item 132 and Col. 5, lines 60-67); and

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d. executing the sequence of command language script by the data base management system to modify a data base associated with the data base management system (Walsh et al. col. 5, lines 62-65 and fig. 3, item 102).

As to Claim 16, Walsh et al. discloses an apparatus comprising:

- a. transmitting means for transmitting an XML document containing a service request for execution of data base management functions (fig. 1b and fig. 2, item 132 and Col. 5, lines 60-67);
- b. stating means for stating a IDT associated-with the document (fig. 1b and fig. 2, item 132 and Col. 5, lines 60-67);
- c. providing means responsively coupled to the transmitting means for providing data base management functions executing a sequence of command language statements (Walsh et al. col. 5, lines 62-65 and fig. 3, item 102); and
- d. converting means responsively coupled to the providing means for converting the XML document into the sequence of command language statements (Walsh et al. col. 5, lines 62-65 and fig. 3, item 102) for execution by the providing means based upon the IDT to modify data associated with the providing means (fig. 1b and fig. 2, item 132 and Col. 5, lines 60-67).

As to Claim 21, Walsh et al. discloses a method of coupling an XML message to a data base management system having an incompatible format comprising:

a. retrieving an existing XML element to source tree from a repository (fig. 1b and fig. 2, item 132 and Col. 5, lines 60-67);

b. modifying the existing XML element to source tree in accordance with the XML message(col. 9, lines 52-67); and

c. using the XML element to source tree for converting the XML message to the incompatible format (col. 9, lines 52- col. 10, lines 14).

As to Claim 22, Walsh et al. discloses a method wherein the XML element to source tree further comprises

a plurality of elements and a plurality of attributes (col. 9, lines 52- col. 10, lines 14).

As to Claim 23, Walsh et al. discloses a method wherein the modifying step further comprises

deleting one of the plurality of attributes (col. 9, lines 52- col. 10, lines 14).

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As to Claim 24, Walsh et al. discloses a method wherein the modifying step further comprises

adding a new attribute to the plurality of attributes (col. 9, lines 52- col. 10, lines 14).

As to Claim 25, Walsh et al. discloses a method wherein the modifying step further comprises

deleting one of the plurality of elements (col. 9, lines 52- col. 10, lines 14).

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Conclusion


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 571-272-4087. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4083. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Yicun Wu  
Patent Examiner  
Technology Center 2100

June 9, 2005

  
CHARLES RONES  
PRIMARY EXAMINER